

Please type a plus sign (+) inside this box →

+

PTO/SB/08A (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

<b>Substitute for Form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number		10/764,642				
		Filing Date		January 28, 2004				
		First Named Inventor		Takahiro KAWAGUCHI				
		Group Art Unit		3729				
		Examiner Name		TRINH, MINH N				
Sheet	1	of	2	Attorney Docket Number		04058/LH		
<b>U.S. PATENT DOCUMENTS</b>								
Exam. Init <sup>1</sup>	Cite No <sup>1</sup>	Document Number	Kind Code <sup>2</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion		
MT ↓		3,804,224		BARNABY et al	04-16-1974			
		5,674,014	A	JORDAN	10-07-1987			
		6,682,233	A1	TERAO	01-27-2004			
		2005/0201797	A1	KAWAGUCHI et al	09-15-2005			
<b>FOREIGN PATENT DOCUMENTS</b>								
Exam. Init <sup>1</sup>	Cite No <sup>1</sup>	Off <sup>3</sup>	Document Number <sup>4</sup>	Kind Code <sup>5</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T <sup>6</sup>
Examiner Signature		/Minh Trinh/			Date Considered	05/03/2006		

<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the *Invention* of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Place a check here if English translation is attached.

DATE MAILED: February 17, 2006

Please type a plus sign (+) inside this box →

PTO/SB/08B (08-00)  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO  INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number		10/764,642	
				Filing Date		January 26, 2004	
				First Named Inventor		Takahiro KAWAGUCHI	
				Group Art Unit		3729	
				Examiner Name		TRINH, MINH N	
Sheet	2	of	2	Attorney Docket Number		04056/LH	
<b>OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS</b>							
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue number(s), publisher, city and/or country where published					T <sup>2</sup>
MT  ↓		<p>Related U.S. Patent Application Serial No. 11/246,639, filed October 7, 2005; Inventor: T. Kawaguchi.</p> <p>Related U.S. Patent Application Serial No. 11/301,412, filed December 13, 2005; Inventor: T. Kawaguchi.</p>					
Examiner Signature	/Minh Trinh/			Date Considered	05/03/2006		

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Place a check here if English translation is attached.

DATE MAILED: February 17, 2006

OCT. 19, 2005, 12:09PM

+1-212-319-5101 customer 01933

NO. 1556 P. 2

RECEIVED  
CENTRAL FAX CENTER

OCT 19 2005

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number		10/764,642		
				Filing Date		January 26, 2004		
				First Named Inventor		Takahiro KAWAGUCHI		
				Group Art Unit		3729		
				Examiner Name				
Sheet	1	of	1	Attorney Docket Number		04056/LH		
<b>U.S. PATENT DOCUMENTS</b>								
Exam. Initials <sup>1</sup>	Cite No <sup>2</sup>	Document Number	Kind Code <sup>3</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion		
MT ↓		5,137,377	A	ITO et al	08-11-1992			
		5,205,659	A	GUGEL et al	04-27-1993			
		5,290,112	A	STEMPFLE et al	03-01-1994			
		6,513,997	B2	TERAO	02-04-2003			
		2005/0201799	A1	TSUCHIYA et al	09-15-2005			
<b>FOREIGN PATENT DOCUMENTS</b>								
Exam. Initials <sup>1</sup>	Cite No <sup>2</sup>	Office	Document Number <sup>4</sup>	Kind Code <sup>3</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T <sup>5</sup>
Examiner Signature		/Minh Trinh/			Date Considered	05/16/2006		

<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>2</sup> Unique citation designation number. <sup>3</sup> See kinds of U.S. Patent Documents. <sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup> Place a check here if English translation is attached.

DATE MAILED: October 19, 2005

MAY. 18. 2005 2:17PM +1-212-319-5101 customer 01933

NO. 5793 P. 3

Please type a plus sign (+) inside this box →

+

PTO/9B/08A (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO  INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number		10/764,642		
				Filing Date		January 26, 2004		
				First Named Inventor		Takahiro KAWAGUCHI		
				Group Art Unit		3729		
				Examiner Name		Minh Trinh		
Sheet	1	of	2	Attorney Docket Number		04056/LH		
U.S. PATENT DOCUMENTS								
Exam. Initials <sup>1</sup>	Cite No. <sup>2</sup>	Document Number	Kind Code <sup>3</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion		
MT ↓		5,074,687	B1	GUGEL	12-24-1991			
		6,848,843		KAWAGUCHI	02-01-2005			
		4,881,832		MITSUBISHI et al	11-21-1989			
FOREIGN PATENT DOCUMENTS								
Exam. Initials <sup>1</sup>	Cite No. <sup>2</sup>	Offc. <sup>4</sup>	Document Number <sup>1</sup>	Kind Code <sup>3</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T <sup>6</sup>
MT ↓		JP	4-002639	A	DENKI KAGAKU KOGYO KK	01-07-1992		X*
		JP	4-31061	A	SEIKO EPSON CORP	02-03-1992		X*
			*English language Abstract only.					
Examiner Signature		/Minh Trinh/			Date Considered		05/02/2006	

\* EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. <sup>6</sup> Place a check here if English translation is attached.

DATE MAILED: May 18, 2005

PTO/SB/088

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/764,642
				Filing Date	January 26, 2004
				First Named Inventor	Takahiro KAWAGUCHI
				Group Art Unit	3729
				Examiner Name	Minh Trinh
Sheet	2	of	2	Attorney Docket Number	04056/LH
<b>NON PATENT LITERATURE DOCUMENTS</b>					
Exam Init <sup>1</sup>	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
MT		Serial No. 11/073,118, Inventor: KAWAGUCHI et al., Filing date: March 3, 2005			
↓		Serial No. 11/073,117, Inventor: TSUCHIYA et al., Filing date: March 3, 2005			
↓		Serial No. 11/073,092, Inventor: KAWAGUCHI et al., Filing date: March 3, 2005			
↓		Serial No. 11/073,093, Inventor: KAWAGUCHI et al., Filing date: March 3, 2005			
Examiner Signature	/Minh Trinh/			Date Considered	05/02/2006

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Mark here if English translation is attached.


DATE MAILED: May 18, 2005

Please type a plus sign (+) inside this box -

+

PTO/SB/08A (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> 		Application Number	10/764,642
		Filing Date	January 26, 2004
		First Named Inventor	Takahiro KAWAGUCHI
		Group Art Unit	3729
		Examiner Name	Minh Trinh
Sheet	1	Attorney Docket Number	04056/LH

### U.S. PATENT DOCUMENTS

Exam. Inits <sup>1</sup>	Cite No <sup>1</sup>	Document Number	Kind Code <sup>2</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion
MT ↓		6,698,956	B1	TERAO et al	03-02-2004	
		4,988,223		HILKENMEIER et al	01-29-1991	
		4,993,854		SATO	02-19-1991	
		4,552,064		SANDERS, Jr. et al	11-12-1985	
		2004/0170461	A1	KAWAGUCHI	09-02-2004	
		6,776,545	B1	TERAO	08-17-04	
		6,805,503	B1	TSUCHIYA et al	10-19-04	
		4,767,227		MITSUISHI et al	08-30-98	

### FOREIGN PATENT DOCUMENTS

Exam. Inits <sup>1</sup>	Cite No <sup>1</sup>	Offc <sup>1</sup>	Document Number <sup>4</sup>	Kind Code <sup>5</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T <sup>6</sup>
MT ↓		JP	2001-219586	A	SEIKO EPSON CORP	08-14-2001		*
		JP	09-187972	A	OKI DATA: KK	07-22-1997		*
		JP	07-125265	A	NEC TOHOKU LTD	05-16-1995		*
		JP	10-006537		TEC CORP	01-13-1998		*
		JP	10-291330	A	SEIKO EPSON CORP	11-04-1998		x*
		JP	2850673	B2	NEC CORP	11-13-1998		x*
		JP	2833001	B2	SEIKO EPSON CORP	10-02-1998		x*
		JP	2944562	A	NEC YONEZAWA LTD	06-25-1999		x*
		JP	6-227000	A	SEIKOSHA CO LTD	08-16-1994		x*
		JP	11-291524	A	SEIKO EPSON CORP	10-26-1999		
		JP	11-78075	A	SEIKO EPSON CORP	03-23-1999		
			*English language Abstract only.					
Examiner Signature		/Minh Trinh/			Date Considered	05/02/2006		

<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Place a check here if English translation is attached.

DATE MAILED: December 10, 2004

Please type a plus sign (+) inside this box →

+

PTO/SB/08A (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/764,642
		Filing Date	January 26, 2004
		First Named Inventor	Takahiro KAWAGUCHI
		Group Art Unit	
		Examiner Name	Minh Trinh
Sheet 1 of 3		Attorney Docket Number	04056/LH

**U.S. PATENT DOCUMENTS**

Exam. Inits <sup>1</sup>	Cite No <sup>2</sup>	Document Number	Kind Code <sup>3</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion

**FOREIGN PATENT DOCUMENTS**

Exam Inits <sup>1</sup>	Cite No <sup>2</sup>	Offc <sup>3</sup>	Document Number <sup>4</sup>	Kind Code <sup>5</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T <sup>6</sup>
MT		JP	5-35288	U		05-14-1993		
MT		JP	7-22994	B2	BROTHER IND. LTD.	03-15-1995		*
MT		JP	9-314868	A	NEC DATA TERMINAL LTD.	12-09-1997		*
*English language Abstract only.								

Examiner Signature	/Minh Trinh/	Date Considered	05/03/2006
--------------------	--------------	-----------------	------------

<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>2</sup> Unique citation designation number. <sup>3</sup> See kinds of U.S. Patent Documents. <sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup> Place a check here if English translation is attached.

DATE MAILED: September 28, 2004

Please type a plus sign (+) inside this box →

+

PTO/SB/08A (08-00)


U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO  INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number		10/764,642	
			Filing Date		January 26, 2004	
			First Named Inventor		Takahiro KAWAGUCHI	
			Group Art Unit		3729	
			Examiner Name		Minh Trinh	
Sheet	2	of	3	Attorney Docket Number		04056/LH

U.S. PATENT DOCUMENTS

Exam. Inits <sup>1</sup>	Cite No <sup>1</sup>	Document Number	Kind Code <sup>2</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion

FOREIGN PATENT DOCUMENTS

Exam. Inits <sup>1</sup>	Cite No <sup>1</sup>	Offc <sup>3</sup>	Document Number <sup>4</sup>	Kind Code <sup>5</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T <sup>6</sup>
MT 		JP	3-288660	A	SEIKO EPSON CORP	12-18-1991		*
		JP	3-39256	A	NEC CORP	02-20-1991		X*
		JP	04-105945	A	NEC CORP	04-07-1992		X*
		JP	03-191036	A	TOSHIBA CORP	08-21-1991		X*
		JP	02-011336	A	MANNESMANN AG	01-16-1990		X*
		JP	3-007351	A	SEIKO EPSON CORP	01-14-1991		X*
		JP	6-218954	A	SEIKO EPSON CORP	08-09-1994		*
		JP	2000-280497	A	TOSHIBA TEC CORP	10-10-2000		X*
			*English language Abstract only.					

Examiner Signature	/Minh Trinh/	Date Considered	05/02/2006
--------------------	--------------	-----------------	------------

<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>2</sup> Unique citation designation number. <sup>3</sup> See kinds of U.S. Patent Documents. <sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup> Place a check here if English translation is attached.

DATE MAILED: December 10, 2004



<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/764,642	
				Filing Date	January 26, 2004	
				First Named Inventor	Takahiro KAWAGUCHI	
				Group Art Unit	3729	
				Examiner Name	Minh Trinh	
Sheet	3	of	3	Attorney Docket Number	04056/LH	
<b>NON PATENT LITERATURE DOCUMENTS</b>						
Exam Inits <sup>7</sup>	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T <sup>6</sup>
MT		Serial No.:10/655,894, Inventor: KAWAGUCHI, T., Filing date: September 04, 2003				
↓		Serial No. 10/655,281, Inventor: KAWAGUCHI, T., Filing date: September 3, 2004				
		Serial No. 10/940,361, Inventor: KAWAGUCHI, T. et al., Filing date: September 14, 2004				
		Serial No. 10/940,362, Inventor: KAWAGUCHI, T. et al., Filing date: September 14, 2004				
		Serial No. 10/940,492, Inventor: TSUCHIYA, K. et al., Filing date: September 14, 2004				
		Serial No. 10/940,432, Inventor: KAWAGUCHI, T. Filing date: September 14, 2004				
		Serial No. 10/940,338, Inventor: KAWAGUCHI, T. et al., Filing date: September 14, 2004				
Examiner Signature	/Minh Trinh/			Date Considered	05/02/2006	

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Mark here if English translation is attached.

DATE MAILED: December 10, 2004